

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: WNET-00500

Serial No.: 09/159,267

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(See Several Sheets If Necessary)Applicant: Kirk Treadaway *et al.*

Filing Date: Sept. 23, 1998

Group Art Unit: 2731 2661

(37 CFR § 1.98(b))

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
15	AA	3,564,144	2/16/71	Diggelmann	179	15	8/14/67
	AB	3,988,545	10/26/76	Kuemmerle <i>et al.</i>	479	15 BV	4/23/75
	AC	4,731,785	3/15/88	Ferenc <i>et al.</i>	370	60	6/20/86
	AD	4,876,742	10/24/89	Vacon <i>et al.</i>	455	66	3/23/87
	AE	4,893,340	1/9/90	Lubarsky <i>et al.</i>	380	50	10/5/88
	AF	5,050,166	9/17/91	Cantoni <i>et al.</i>	370	94.1	4/28/89
	AG	5,119,226	6/2/92	Allen <i>et al.</i>	359	172	3/30/89
	AH	5,159,592	10/27/92	Perkins	370	85.7	10/29/90
	AI	5,220,678	1/15/93	Feei	455	69	8/12/91
	AJ	5,276,703	1/4/94	Budin <i>et al.</i>	375	1	1/13/92
	AK	5,307,348	3/26/94	Buchholz <i>et al.</i>	370	85.2	11/5/90
	AL	5,436,902	7/25/95	McNamara <i>et al.</i>	370	83.3	4/5/94
	AM	5,442,633	8/15/95	Perkins <i>et al.</i>	370	94.1	7/8/92
	AN	5,475,681	12/12/95	White <i>et al.</i>	370	60	1/31/94
	AO	5,519,691	5/21/96	Darcie <i>et al.</i>	370	18	6/3/94
	AP	5,563,728	10/8/96	Allen <i>et al.</i>	359	172	2/22/94
	AQ	5,563,889	10/8/96	Gard <i>et al.</i>	370		

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	No
15	AR	2 306 278 A	4/30/97	United Kingdom	H04L	1/00	Group 2700	
16	AS	WO 94/27382	11/24/94	PCT	H04B	7/216		

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

15	AT	"Design of A Selective FEC Subsystem to Counteract Rain Fading in Ku-Band TDMA Systems," G. McMillen, B. Mazur and T. Abdel-Nabi, International Journal of Satellite Communications, Vol. 4, pp. 75-82, 1986					
17	AU	"Frequency Diversity and Its Applications," F. Carassa, G. Tartara and E. Matricciani, International Journal of Satellite Communications, Vol. 6, pp. 313-322, 1988					
	AV	"Up-Link Power Control of Satellite Earth-Stations As A Fade Countermeasure of 20/30 GHz Communications Systems," J. Hörle, International Journal of Satellite Communications, Vol. 6, pp. 323-330, 1988					
	AW	"A Technique for Estimating the Throughput of Adaptive TDMA Fade Countermeasure Systems," S. Barton and S. Dinwiddy, International Journal of Satellite Communications, Vol. 6, pp. 331-341, 1988					
18	AX	"Fade Countermeasures At K _a Band for Olympus," M. Willis and B. Evans, International Journal of Satellite Communications, Vol. 6, pp. 301-311, 1988					
19	AY	"A Unified Statistical Rain-Attenuation Model for Communication Link Fade Predictions and Optimal Stochastic Fade Control Design Using A Location-Dependent Rain-Statistics Database," Robert Manning, International Journal of Satellite Communications, Vol. 8, pp. 11-30, 1990					
	AZ						

Examiner:

Date Considered:

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

Applicant: Moshe Nattiv *et al.*

Filing Date: Sept. 23, 1998

Group Art Unit: ~~277~~ 2664

(37 CFR § 1.98(b))

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

BA

"Adaptive Modulation As A Fade Countermeasure. An Olympus Experiment," M. Filip and E. Vilar, International Journal of Satellite Communications, Vol. 8, pp. 31-41, 1990

BB

Radiowave Propagation in Satellite Communications, Louis J. Ippolito, Jr., Van Nostrand Reinhold Company 1986, pp. 42-57 and 64-92

BC

Digital Communications, John G. Proakis, Mc Graw-Hill, Third Edition, 1990, pp. 278-285

BD

CDMA Principles of Spread Spectrum Communication, Andrew J. Viterbi, Addison-Wesley Wireless Communications Series, 1995, pp. 155-168

BE

Information on Giganet Ltd., the Microwave Fiber™ company, displayed at www.giganet-corp.com, April 21, 1998

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Examiner:

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Date Considered:

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Attorney Docket No.: WNET-00500

Serial No.: 09/159,267

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Copies If Necessary)

Applicant: Kirk Treadaway *et al.*

(37 CFR § 1.98(b))

Filing Date: Sept. 23, 1998

Group Art Unit: 2731 2667

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
48	AA	5,754,945	05/19/98	Lin <i>et al.</i>	455	338	08/18/96
	AB	5,657,371	08/12/97	Mahany <i>et al.</i>	370	338	07/22/94
	AC	5,648,969	07/15/97	Pasternak <i>et al.</i>	370	349	02/13/95
	AD	5,636,213	06/03/97	Eastmond <i>et al.</i>	370	278	12/28/94
	AE	5,313,461	05/17/94	Ahl <i>et al.</i>	370	94.2	06/08/92
	AF	5,303,303	04/12/94	White	380	49	02/08/93
	AG	4,975,906	12/04/90	Takiyasu <i>et al.</i>	370	85.130	02/09/89
	AH						
	AI						
	AJ						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
48	AK	GB 2316583 A	02/25/98	UK	H04L	29/06	✓	
	AL	WO 98/10541A1	03/12/98	PCT	H04J	3/16		
	AM							
	AN							
	AO							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	Goldberg, Lee, "100Base-T4 Transceiver Simplifies Adapter, Repeater, and Switch Designs," Electronic Design, vol. 43, no. 6, March 1995, USA.
	AQ	
	AR	
	AS	
	AT	
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	AW	
	AX	
	AY	
	AZ	

Examiner:

W. H. Lee

Date Considered:

5/3/04

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Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 449
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U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: WNET-00500

Serial No.: 09/159,267

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

Applicant: Kirk Treadaway *et al.*

(37 CFR § 1.98(b))

Filing Date: Sept. 23, 1998

Group Art Unit: 2751 2664

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
<i>JS</i>	AA	5,953,319	09/14/99	Dutta et al.	370	238	09/29/95
	AB						
	AC						
	AD						
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	AG						
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	AJ						

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FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	AK							
	AL							
	AM							
	AN							
	AO							

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	
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Examiner:

William L. G.

Date Considered:

5/3/01

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



(use as many sheets as necessary)

Sheet	1	of	1
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Application Number	09/159,267
Filing Date	September 23, 1998
First Named Inventor	Kirk TREADAWAY et al.
Group Art Unit	2731 2664
Examiner Name	
Attorney Docket Number	TREADAWAY=1A

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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Number			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Office ³	Number	Kind Code ⁵ (if known)				
C/O	AA	EP	0 663 785	A2	NOKIA MOBILE PHONES LTD.	07-19-1995		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AB	European Ptent Office: <u>Patent Abstracts of Japan</u> , Abstract for JP 07336367, published December 22, 1995, applicant: CANON INC., title: "Radio Communication Equipment"	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.